

SEQUENCE

FIG. 1A-1
FIG. 1A-2

FIG. 1A

GAATTCCTCCCAACAGAGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAGCAAACC
39 (UPPER: SEQ ID NO.: 1)
19 (LOWER: SEQ ID NO.: 4)

TTCCCTTCACTACAAACTTCATTGCTTGGCCAAAAGAGAGTTAATTCATGTAGACAT
119
39

CTATGTAGGCAATTAAAAACCTATTGATGTATATAAACAGTTTGCATTTCATGGAGGGCAAC
179
59

TAAATACATTCTAGGACTTTATAAAGATCACTTTTATTATGCACAGGGTGAACAAG
239
79

ATGATTATCAAGTCAAGTCCAATCTATGACATCAATTATTATACATCGGAGCCCTGC
299
M D Y Q V S S P I Y D I N Y Y T S E P C
99

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#4

FIG. 1A-1

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CAAAAATCAATGTGAAGCAAATCGCAGCCCGCTCCTGCCTCCGCTCTACTCAGTGGTG 359
Q K I N V K Q I A A R L L P P L Y S L V 119

TTCACTTTGGTTTGTGGCAACATGCTGGTCATCCTCATCCTGATAAACTGCAAAAGG 419
F I F G F V G N M L V I L I L I N C K R 139

CTGAAGAGCATGACTGACATCTACCTGTCTCAACCTGGCCATCTCTGACCTGTTTTTCCTT 479
L K S M T D I Y L L N L A I S D L F F L 159

CTTACTGTCCCCCTTCTGGGCTCACTATGCTGCCGCCAGTGGGACTTTGGAAATACAATG 539
L T V P F W A H Y A A A Q W D F G N T M 179

TGTCAACTCTTGACAGGGCTCTATTTTATAGGCTTCTCTCGGAATCTTCTTCATCATC 599
C Q L L T G L Y F I G F F S G I F F I I 199

CTCCTGACAATCGATAGGTACCTGGCTGCTGCCATGCTGTGTTTGCTTTAAAGCCAGG 659
L L T I D R Y L A V V H A V F A L K A R 219

ACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTTGGGTGGTGGCTGTGTTGCGTCT 719
T V T F G V V T S V I T W V V A V F A S 239

CTCCAGGAATCATCTTTACCAGATCTCAAAAAGAAGTCTTCATTACACCTGCAGCTCT 779
L P G I I F T R S Q K E G L H Y T C S S 259

CATTTTCCATACA
H F P Y

FIG. 1A-2

FIG. 1B-1
FIG. 1B-2

FIG. 1B

59 (UPPER: SEQ ID NO.: 2)
19 (LOWER: SEQ ID NO.: 5)

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GAATTCCCCAACAGAGCCAAGCTCTCCATCTAGTGACAGGAAGCTAGCAGCAACC

TTCCCTTCACTACAAAACCTTCATTGCTTGGCCAAAAGAGAGTTAATTC AATGTAGACAT 119
39

CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCATTCATGGAGGGCAAC 179
59

TAAATACATTCTAGGACTTTATAAAAGATCACTTTTATTATGCACAGGGTGGAACAAG 239
79

ATGGATTATCAAGTGTCAAGTCCAATCTATGACATCAATTATTATACATCGGAGCCCTGC 299
M D Y Q V S S P I Y D I N Y Y T S E P C 99

FIG. 1B-1

CAAAAATCAATGTGAAGCAAAATCGAGCCGCTCCTGCTCCGCTCTACTCAGTGTG 359
Q K I N V K Q I A A R L L P P L Y S L V 119

TTCAATCTTTGGTTTGTGGGCAACATGCTGGTCACTCCTCATCCTGATAAACTGCAAAAGG 419
F I F G F V G N M L V I L I L I N C K R 139

CTGAAGAGCATGACATCTACCTGCTCAACCTGGCCATCTCTGACCTGTTTTCCTT 479
L K S M T D I Y L L N L A I S D L F L 159

CTTACTGTCCCTTCTGGGCTCACTATGCTGCCGCCAGTGGGACTTTGGAATAACAATG 539
L T V P F W A H Y A A A Q W D F G N T M 179

TGTCAACTCTTGACAGGGCTCTATTTATAGGCTTCTTCTGGAATCTTCTTCATCATC 599
C Q L L T G L Y F I G F F S G I F I I 199

CTCCTGACAATCGATAGGTACCTGGCTGCTGTCATGCTGTGTTTGTCTTAAAGCCAGG 659
L L T I D R Y L A V V H A V F A L K A R 219

ACGGTCACCTTTGGGGTGGTGACAAGTGTGATCACTTGGGTGGTGTGTTTGGCTCT 719
T V T F G V V T S V I T W V V A V F A S 239

CTCCAGGAATCATCTTTACCAGATCTCAAAAGAAGTCTTTCATTACACCTGCAGCTCT 779
L P G I I F T R S S Q K E G L H Y T C S S 259

CATTTTCCATACAGTCAGTATCAATTTCTGGAAGAAATTTCCAGACATTAAAGATAGTCATC 839
H F P Y S Q Y Q F F W K N F Q T L K I V I 279

TTGGGCTGCTCCTGCCGCTGCTTGTCTATGTCATGTCATCTGCTACTCGGGAATCCTAAAACT 899
 L G L V L P L L L V M V I C Y S G I L K T 299
 CTGCTTCGGTGTGAAATGAGAAGAGGCACAGGCTGTGAGGCTTATCTTCACCATC 959
 L L R C R N E K K R H R A V R L I F T I 319
 ATGATTGTTTATTTCTTCTTCTGGGCTCCCTACACATTGTCTCTTCTCTGAAACACCTTC 1019
 M I V Y F L F W A P Y N I V L L L N T F 339
 CAGGAATTCCTTGGCCTGAATAATTGCAGTAGCTCTAACAGGTTGGACCAAGCTATGCAG 1079
 Q E F G L N N C S S S N R L D Q A M Q 359
 GTGACAGAGACTCTTGGGATGACGCACCTGCTGCATCAACCCCATCATCTATGCCCTTGTG 1139
 V T E T L G M T H C C I N P I I Y A F V 379
 GGGGAGAAGTTCAGAAACTACCTCTTAGTCTTCTTCCAAAGCACATTGCCAAACGCTTC 1199
 G E K F R N Y L L V F F Q K H I A K R F 399
 TGCAAAATGCTGTTCTATTTCCAGCAAGAGGCTCCGAGCGAGCAAGCTCAGTTTACACC 1259
 C K C C S I F Q Q E A P E R A S S V Y T 419
 CGATCCACTGGGGAGCAGGAAATATCTGTGGGCTTGTGACACGGACTCAAGTGGGCTGGT 1319
 R S T G E Q E I S V G L * 439
 GACCCAGTCAGAGTTGTGCACATGGCTTAGTTTTTCATACACAGCCCTGGGCTGGGGTNGG 1379
 459
 TTGGNNGAGGTCTTTTTTAAAGGAAGTTACTGTATTAGAGGGTCTAAGATTTCATCCATT 1439
 479
 TATTGGCATCTGTTTAAAGTAGATTAGATCCGAATTC

FIG. 1B-3

FIG. 1D-1
FIG. 1D-2

FIG. 1D

GAAATCCCCCAACAGAGCCAAGCTCTCCATCTAGTGGACAGGGAAGCTAGCAGCAAAACC	59 (UPPER: SEQ ID NO. 3)
	19 (LOWER: SEQ ID NO. 6)
TTCCCTTCACTACAAAACCTTCATTGCTTGGCCAAAAGAGAGTTAATTCAATGTAGACAT	119
	39
CTATGTAGGCAATTAAAAACCTATTGATGTATAAAACAGTTTGCATTCATGGAGGGCAAC	179
	59
TAAATACATTCTAGGACTTTATAAAAGATCACTTTTATTATGCACAGGGTGGAACAAG	239
	79
ATGGATTATCAAGTGTCAGTCCAATCTATGACATCAATTATTATACATCGGAGCCCTGC	299
M D Y Q V S S P I Y D I N Y Y T S E P C	99

FIG. 1D-1

CAAAAATCAATGTGAAGCAAATCGCAGCCCGCTCCTCGCTCTACTCAGTGGTG	359
Q K I N V K Q I A A R L L P P L Y S L V	119
TTCATCTTTGGTTTGTGGCAACATGCTGGTCATCCTCATCCTGATAAACTGCAAAGG	419
F I F G F V G N M L V I L I L I N C K R	139
CTGAAGAGCATGACTGACATCTACCTGCTCAACCTGGCCATCTCTGACCTGTTTTTCCTT	479
L K S M T D I Y L L N L A I S D L F F L	159
CTTACTGTCCCTTCTGGGCTCACTATGCTGCCGCCAGTGGGACCTTGGAAATACAATG	539
L T V P F W A H Y A A A Q W D F G N T M	179
TGTCAACTCTTGACAGGGCTCTATTTATAGGCTTCTCTCTGGAATCTTCTTCATCATC	599
C Q L L T G L Y F I G F F S G I F F I I	199
CTCCTGACAAATCGATAGGTACCTGGCTGTCGTCCATGCTGTGTTGCTTTAAAGCCAGG	659
L L T I D R Y L A V V H A V F A L K A R	219
ACGGTCACCTTTGGGGTGTGACAAGTGTGATCACTTGGGTGGTGGCTGTGTTGCGTCT	719
T V T F G V V T S V I T W V V A V F A S	239
CTCCCAGGAATCATCTTTACCAGATCTCAAAAGAAGTCTTCACTTACACCTGCAGCTCT	779
L P G I I F T R S Q K E G L H Y T C S S	259
CATTTCCATACATTAAAGATAGTCATCTTGGGGCTGGTCCCTGCCGCTGTGTCATGGT	839
H F P Y I K D S H L G A G P A A A C H G	279

FIG. 1D-2

CATCTGCTACTCGGGAATCCTAAAACTCTGCTTCGGTGTGAAATGAGAAGAAGAGGCA	899
H L L L G N P K N S A S V S K *	299
CAGGGCTGTGAGGCTTATCTTCACCATCATGATTGTTTATTTCCTTCCTGCGCTCCCTA	959
	319
CAACATTGTCTCTCCTGAACACCTTCCAGGAATCTTTGGCCCTGAATAATTGCAGTAG	1019
	339
CTCTAACAGGTTGGACCAAGCTATGCAGGTGACAGAGACTCTTTGGGATGACGCACCTGCTG	1079
	359
CATCAACCCCATCATCTATGCCTTTGTCTGGGGAGAAGTTCAGAAACTACCTCTTAGTCTT	1139
	379
CTTCCAAAGCACATTGCCAAACGGCTTCTGCAAAATGCTGTCTTATTTTCCAGCAAGAGGC	1199
	399
TCCCGAGCGAGCAAGCTCAGTTTACACCCGATCCACTGGGGAGCAGGAAATATCTGTGGG	1259
	419
CTTGTGACACGGACTCAAGTGGGCTGGTGACCCAGTCAGAGTTGTGCACATGGCTTAGTT	1319
	439
TTCATACACAGCCCTGGGCTGGGGTNGGTTGNNAGGCTCTTTTAAAGGAAGTTACT	1379
	459
GTTATAGAGGGTCTAAGATTATCCATTATTATTGGCATCTGTTTAAAGTAGATTAGATCC	1439
	479

GAATTC

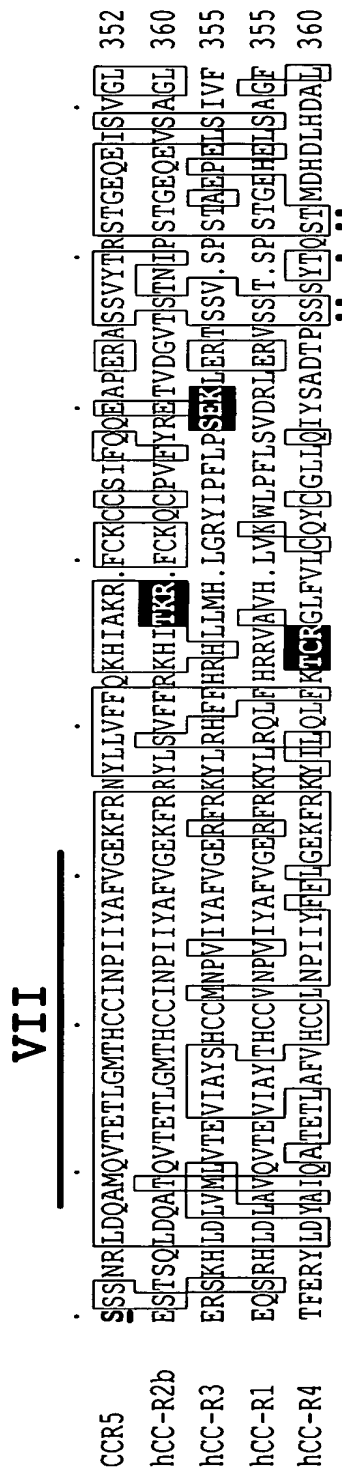
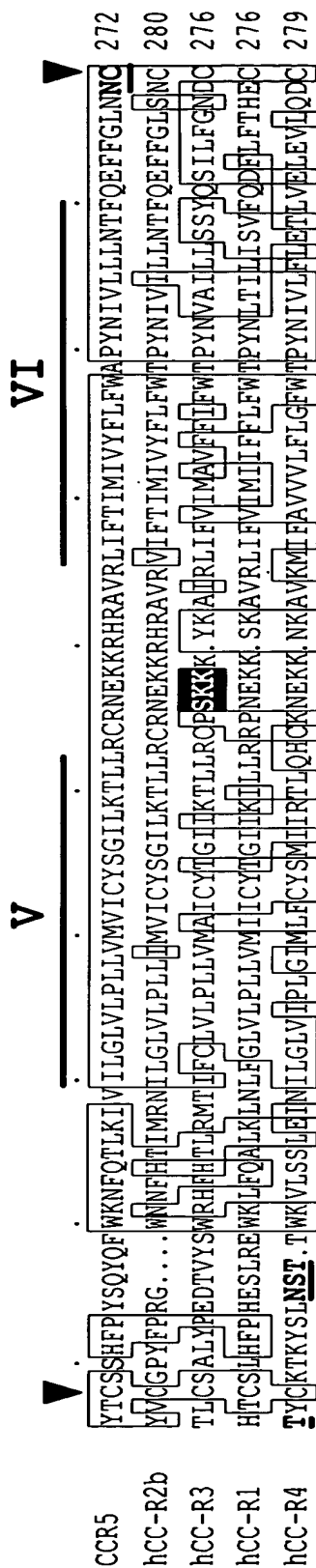


FIG. 2B

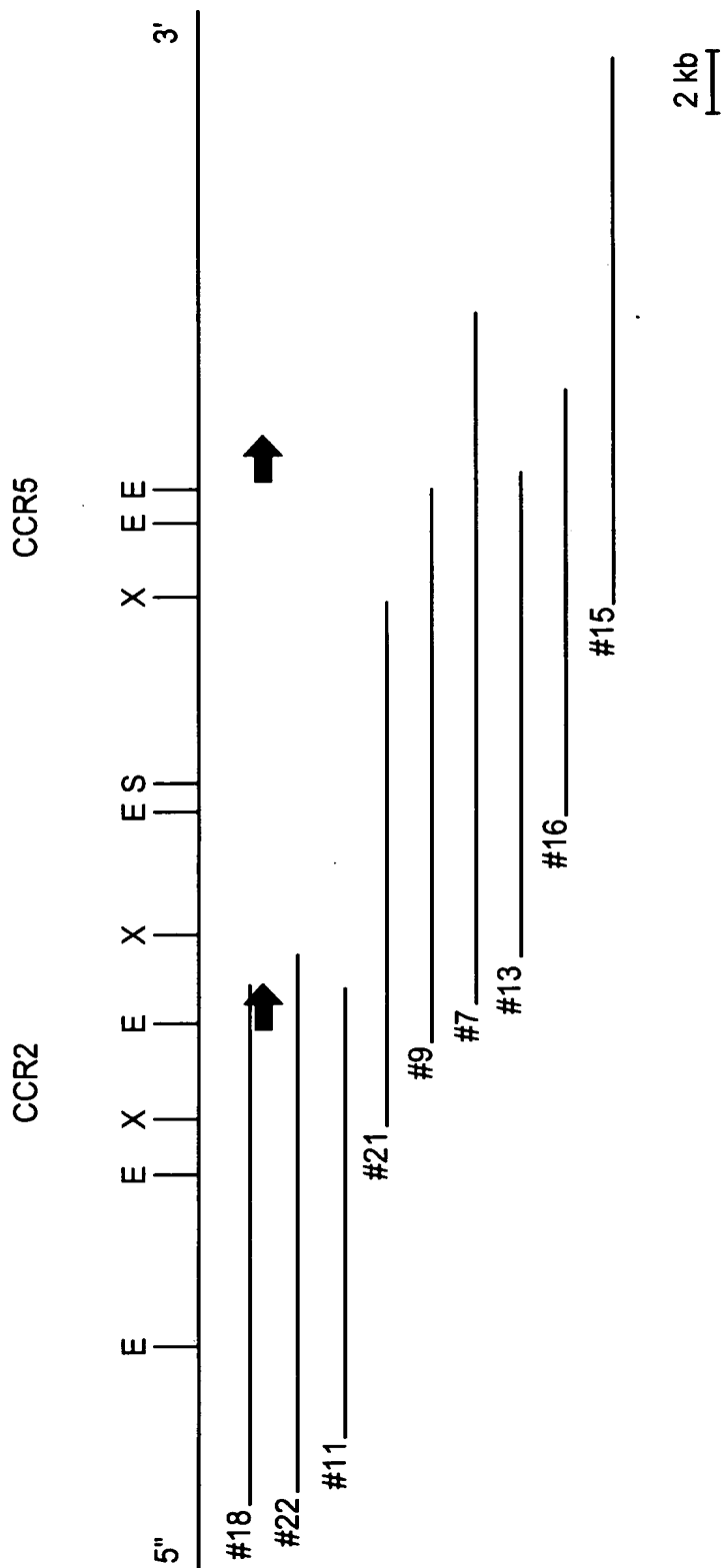


FIG. 3

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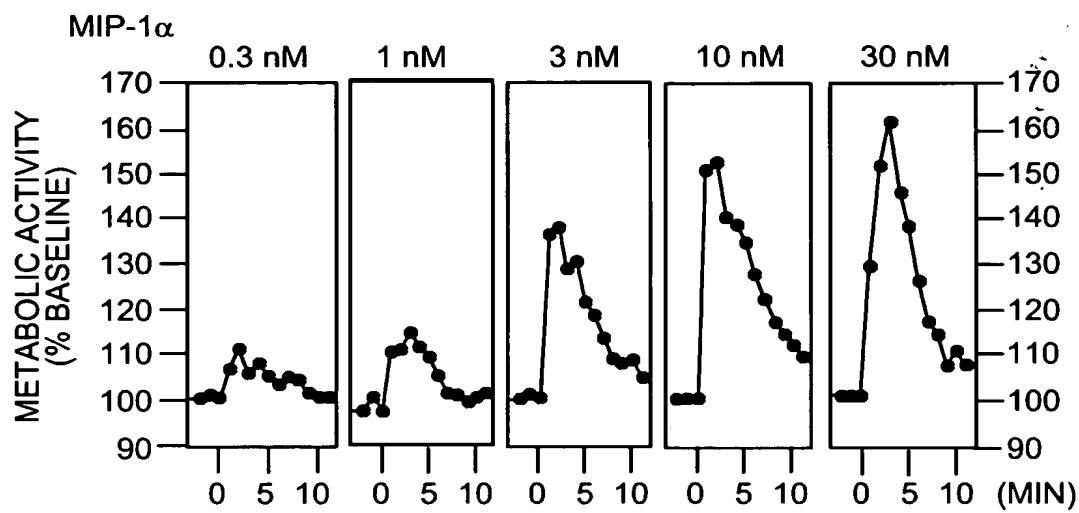


FIG. 4A

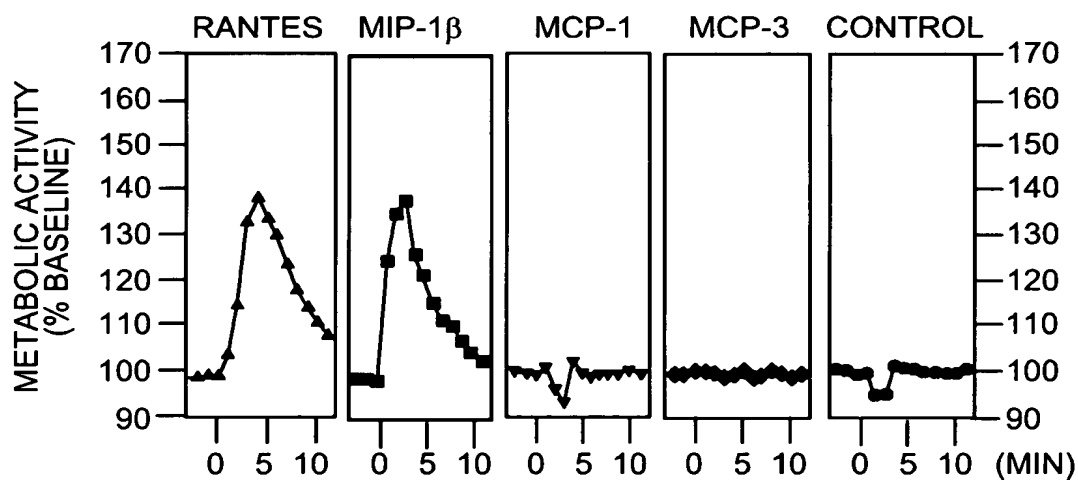


FIG. 4B

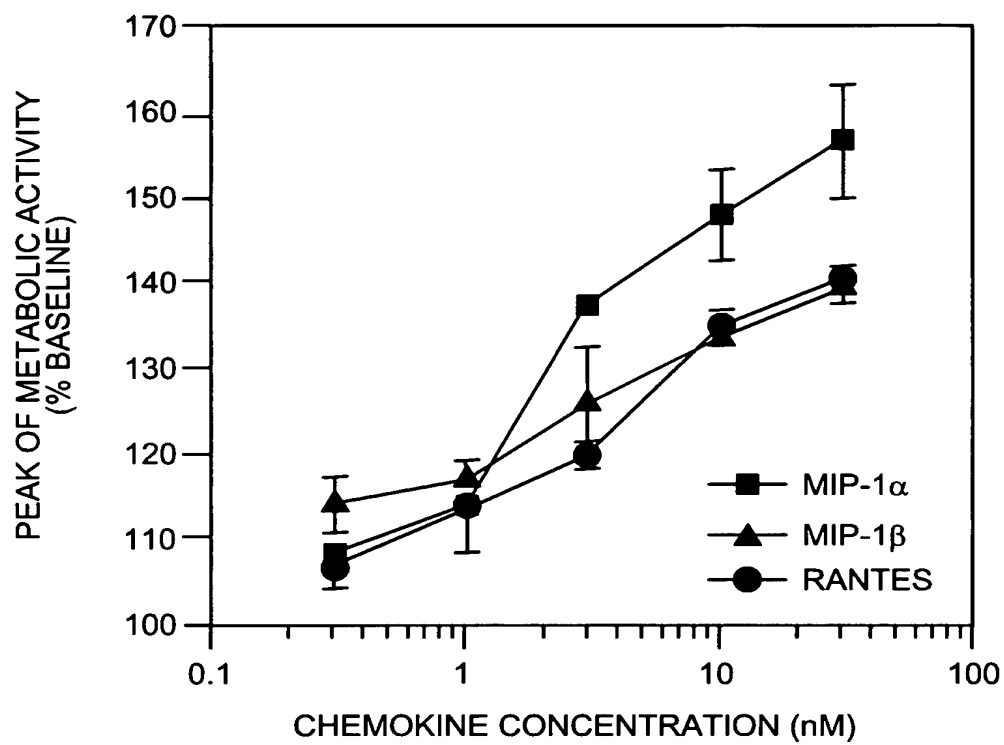


FIG. 4C

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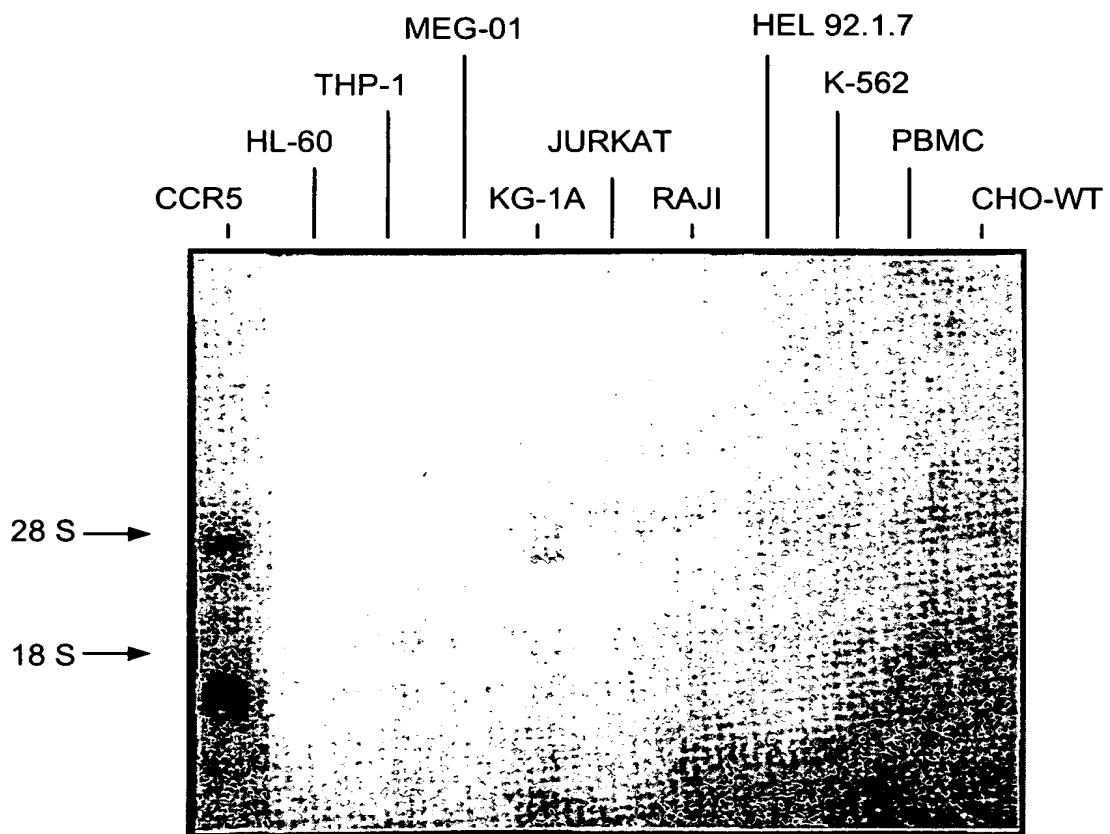


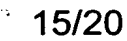
FIG. 5

[illegible]

FIG. 6A	FIG. 6B
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FIG. 6A	FIG. 6B
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FIG. 6A	FIG. 6B
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deletion

FIG. 6B

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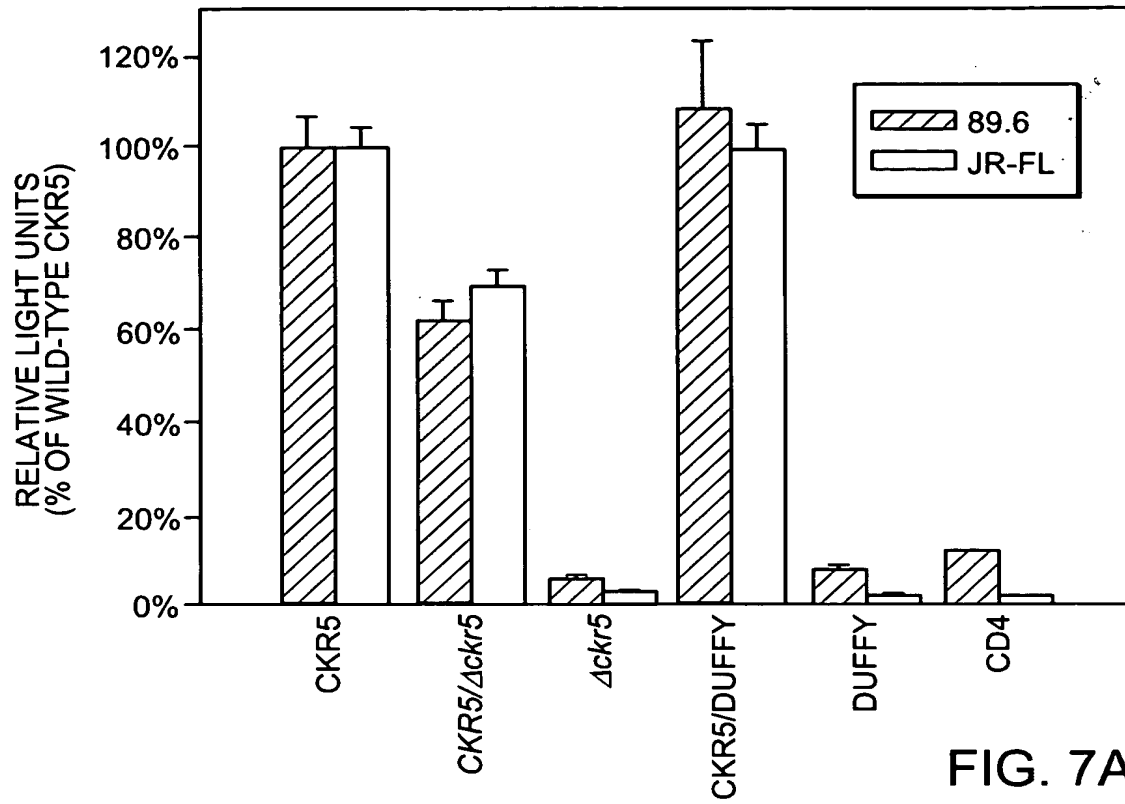


FIG. 7A

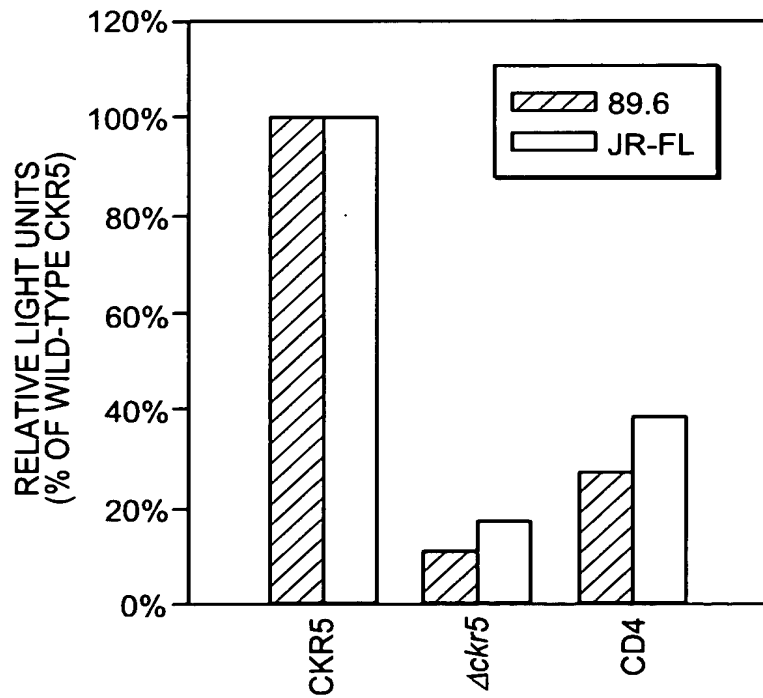


FIG. 7B

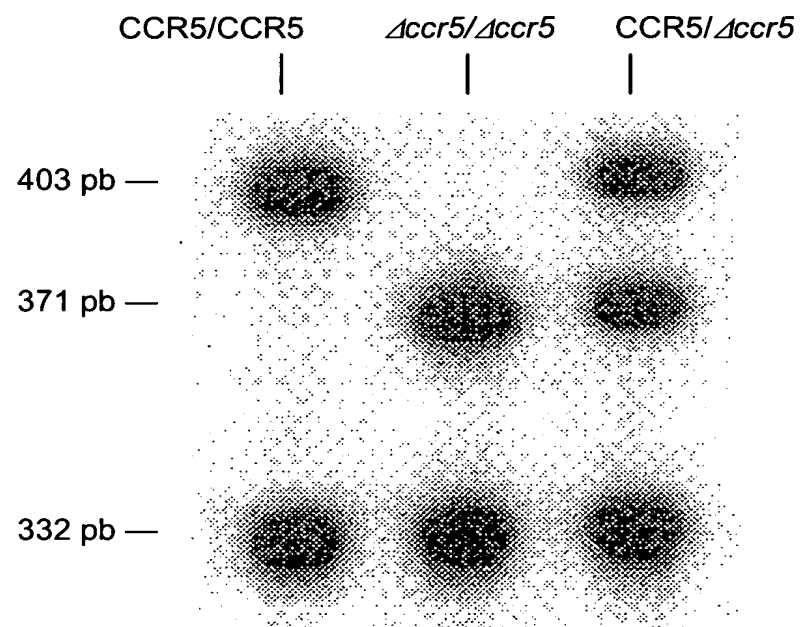
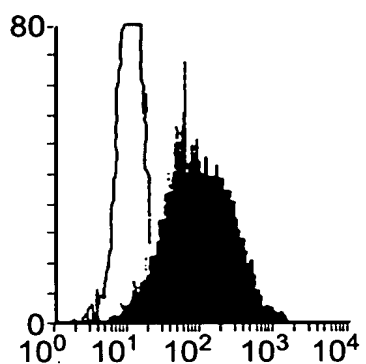
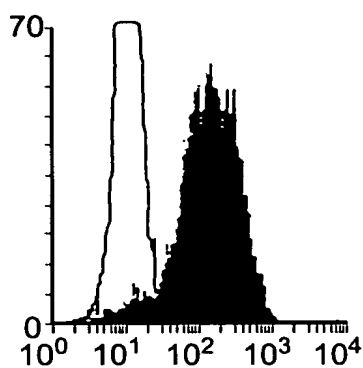


FIG. 8



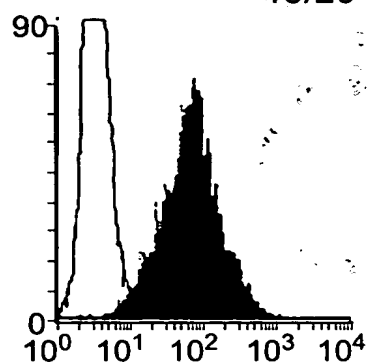
A0

FIG. 9A



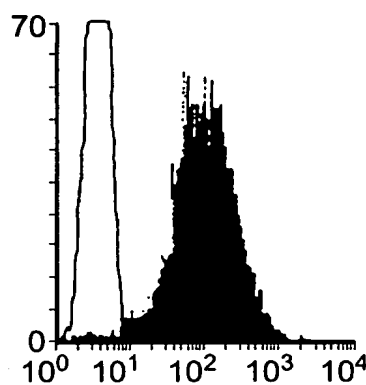
A1

FIG. 9B



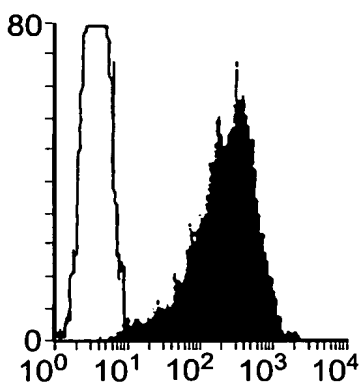
A2

FIG. 9C



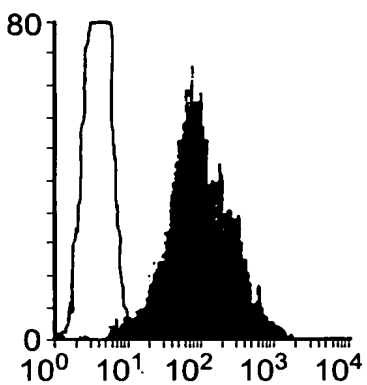
A5

FIG. 9D



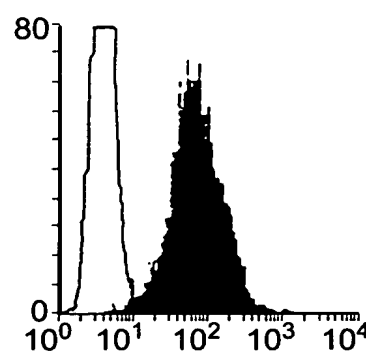
A4

FIG. 9E



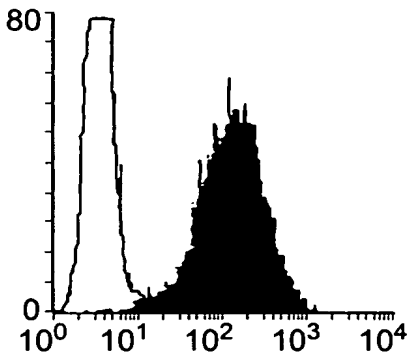
B0

FIG. 9F.



B1

FIG. 9G



B3

FIG. 9H

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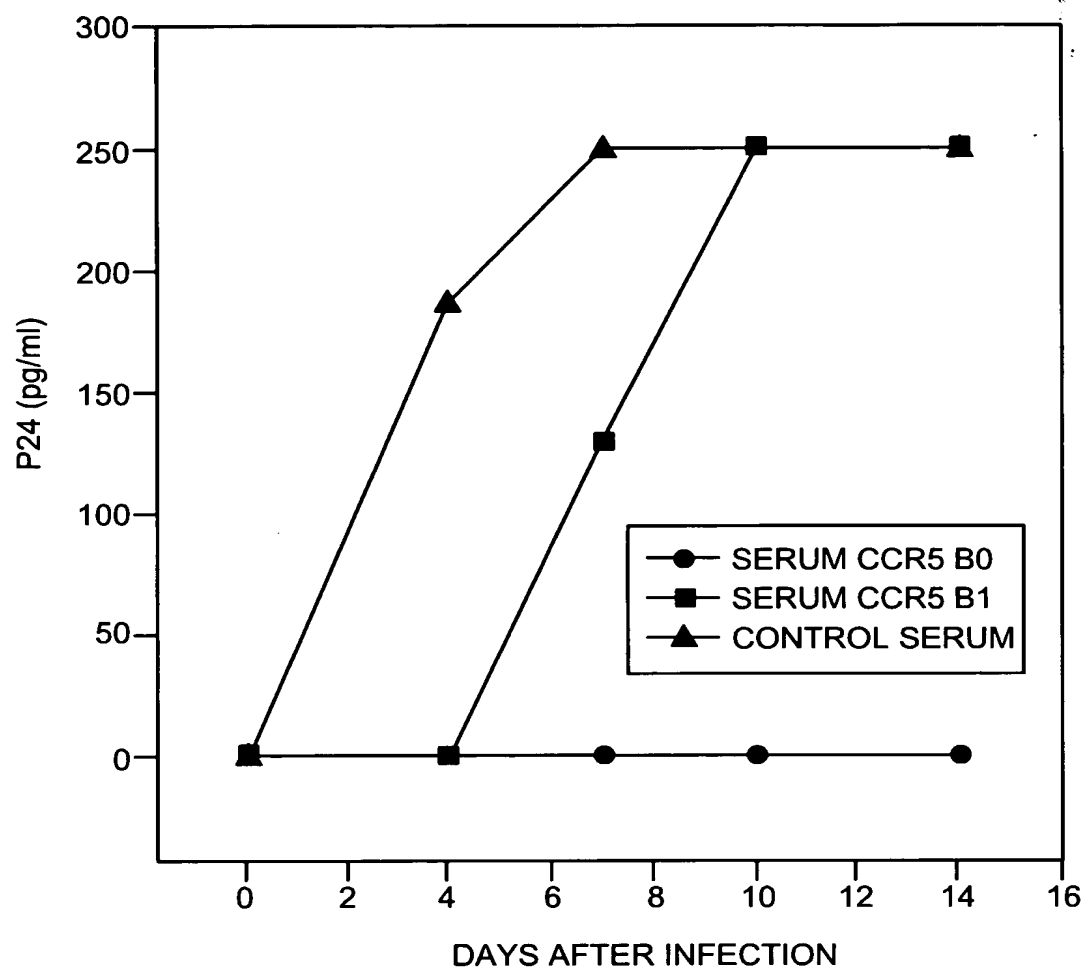


FIG. 10